

CER 113252

Monsento Chemical Company

FROM: M. R. Foresman - 34WT (4-3299)

JUL 2 · 1987

DATE: July 17,1387

SUB : Weekly Summary

::: L. J. 9sesch - 35NV

J. V. Kocurkovie - GENK

U. T. Matteucci - SENR

G. L. McKee - SENA

J. P. Pobb - 935A

REF :

10 : M. A. Pierle - 6441

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VEK - Groundwater Study

III. EPA and U.S. EPA Region V completed their review of the Geraghty & Miller Groundwater Study and forwarded comments to the plant. The general conclusion of the joint review was ... that the assessment needs to be expanded. Compredient and deep equifer conditions are not adequately described. Both onsite and offsite sources of contamination have not been sufficiently identified. Known contamination problems representing substantial risks to the public health and environment are dismissed. Additionally III. EPA requests that the plant consider the pumping and treatment of large amounts of groundwater to clean the equifer and provide a source of water for the plant torousesses. Agreement on needed future actions will be difficult.

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SAUGET SITES RENEDIAL INVESTIGATION-PROJECT UPDATE FACT SHEET #2 DECEMBER, 1986

The Illinois Envir**onmental Protection Agency (IEPA)** study of hazardous waste sites in Sauget and Cahokia, recently entered a new phase. Samples of soil. surface water, creek sediments and air will be collected during the next few months for extensive laboratory analysis. Results of the testing will enable the Agency to identify the chemical contaminants present, the locations affected by the contaminants and potential solutions to the Dead Creek area problems.

This phase of the study follows several months of extensive historical record searches, property ownership investigations and access arrangements, map making and a revision of the initial goals of the project. The results of the revision will assist the IEPA in obtaining an accurate description of the Dead Creek area hazardous wastes and will also provide the information necessary to evaluate the project for possible federal Superfund financing.

How will the sampling be done?

Secause of the long history of chemical waste disposal in the St. Louis Metro East, the field work was designed to obtain samples that best represent the extent and nature of contamination. Historical records and conversations with local citizens provided IEPA with information valuable in the initial choices of sampling locations.

Surface water and sediment samples were taken from various locations on Dead Creek and area surface soils were also sampled in November. Soil gas tests done to determine "hot spots" of underground contamination will point out the most effective locations to install 25 monitoring wells around the study area. The wells, drilled by a truck-mounted rig, will enable sampling of the water supply below the ground's surface. Orilling will continue all winter so that samples can be collected and tested for contamination in the late spring. 1987.

Sampling activities will be performed in special protective cothing by employees of an environmental consulting firm under contract with IEFA

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Status of Pits

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What is WEK RCRA Status?

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Pits Lagoons -

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Monsanto

Monsento Chemical Company 500 Montanto Ave Saugel: (Bross 62206-1196 Phone (618) 271-5836

September 32, 986

Mr. Nicholas Valkenburg Geraghty & Miller, Inc. 125 East Bethpage Road Plainview, New York 11803

Dear Nack:

Confirming our direction from our meetings of September 8 and 9 please prepare the following documents relative to the Monsanto and SSDRA groundwater programs so that we may proceed to interface with Region V USEPA and IEPA.

Route 3 Drum Site investigation report including coring data and justification of the clay cap mitigation alternative.

MATTER HAS REF.

- REDADTED FROM this base in Monsanto groundwater report including groundwater quality data, and justification for a no action alternative on groundwater mitigation. Also note plans for source mitigation at the Route 3 Drum Site and landfill will be forthcoming and justify no action alternative for other sites. I have transmitted the Metropolitan Sever District river study data to you for your use in preparing this maport. Descriptions of groundwater protection work that has been completed at the plant, such as sever repairs, will be sent to you federal express on September 15 and I anticipate calling you with #1xcellaneous comments on your draft groundwater data report on the 15th or 16th. We would appreciate your suggestions on the best way to review this report prior to final publication as the scheduled September 30 meeting makes this schedule extremely tight.
- SSDEA well log and location information as we discussed on September 11.
- SSIRE groundwater data report with justification for lagoous and pit capping with sidewalls plus no action alternative on groundvates in any other sources. You may choose to issue the lagoons and pit capping proposal in a separate package at your option. The groundwater portion of the package needs to be available for the SSDRA meeting on September 30 as we plan to use some of the information from this report in our verbal discussions with the EPA on October 1 and 2.

Micholas Valkenburg

Page 2

September 12 1986

donsanto landfill mitigation report with justification.

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of you have questions or comments on the above, please give me a con-

Sincerely

Warren L. Smull

General Superintendent Environmental Affairs

Mr. Small

/b]]

cc R. L. Biggerstaff

M. R. Foresasa

P. J. Haechrel

J. W Molloy

VIA FEDERAL EXPRESS



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August 5, 1986

WGK GROUNDWATER STULY

TO

R T Allen - G3W8
R. L Biggerstaff - CS7J
J O Bright - CS6G

M. R. Foresman - 83MA

8. J Gilhousen - GDWB

P. J. Haechrel - #GN

F E Kearney - E3NA

c**c**

V. T. Macteucci - B3SB
G. L. McKee - E3SE
J. W. Molloy - WGK
H. A. Fierle E3MA
W. W. Varnado G5WD
J. H. Waldbeser - CS7H

You are invited to actend a review of the WGK Groundwater Hudy on Tuesday, September 9, 1986, at 10:00 a.m. David Miller of Germghty & Miller will make the presentation in room G-403-C.

Phease call Barb Jones, ext. 2388 - WGK, to confirm your attendance.

gr. T. Simul

/bjj

Law Engr.

126K Groundwater Study

What is purpose of meeting and what is expected of attendees.

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So Drum Lot Project

F. Sign Ser. M. A. T. F. R. H. S. D. C. UNIE . M.

Drum Project (NCB)

THIS DOOM!

CER 113260

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D. Miller -

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W. L. Smull - WGK | HAME -- LOCATION -- PHODE)

August 27, 1986

SOUTH LOT DRUMSITE

cc V. T. Matteucci - B3SB

J. W. Molloy

N. Valkenburg, Geraghty & Miller

SUBJECT

-

R. T. Allen - G3WB TO

M. R. Foresmen - B3NAT

G. L. Jones

To: F.E.K. LAP

FYI. Kelm

Attached is a letter received from USEFA Region V relative to the South Lot Drumsite for your review. We will set up a meeting with you next week after you have had a chance to review it.

/bjj Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

230 SOUTH DEARBORN ST. CHICAGO, ILLINOIS 60604

REP. OFHE AMENTION IS

Mr. Warren L. Smull, General Superintendent Environmental Affairs Monsanto Chemical Company 500 Monsanto Avenue Sauget, Illinois 62206-1198



Re: Facility Clean-up of Uncontrolled Drum Disposal Area ILD 000 602 702

Dear Mr. Smull:

We have received and reviewed your letter to Basil Constantelos of July 30, 1986. documenting the discovery and clean-up of an area on your site containing 30 drums of hazardous materials and associated contaminated soil.

Under the provisions of the Hazardous and Solid Waste Amendments of 1984 (HSWA), any permit issued under the Resource Conservation and Recovery Act (RCRA). " Shallrequire corrective action for all releases of hazardous waste or constituents from any solid waste management unit at a treatment, storage or disposal facility seeking a permit under this subtitle, regardless of the time at which waste was placed in such unit." As a result of this provision, the area which contained the drums will have to be investigated prior to any RCRA permit decision with regard to the need for corrective action. Such investigations could require additional sampling and excavation above that which has been done.

While the information you provided in your letter is necessary, it is likely not to be adequate to determine whether or not corrective action is required. Further investigations could prove difficult (and thus costly) especially if new facilities have been constructed on the site to minimize the liklihood of such a complication, you should consider consulting the Illinois Environmental Protection Agency (IEPA) and our Agency regarding the adequacy of the clean-up. IEPA should also be contacted regarding the storage of the recovered wastes and whether a modification to your Part A permit application is needed.

 \dot{a} f you have questions regarding this matter, please contact Rob Watson \circ f <code>IEPA</code> at 217/785-8410 or Gale Hruska of my staff at 312/886-0989.

Sincerely yours.

James N. Mayka, Chi**e**f Illinois Technical Unit

CER 113265

cc: Larry Eastep, IEPA Rob Watson, IEPA

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subsection shall be construed to diminish the liability of any person under section 107 or 111 of the Comprehensive Environmental Response. Compensation and Liability Act of 1980 or other applicable law.

"(4) For the purpose of this subsection, the term 'guarantor' means any person, other than the owner or operator, who provides evidence of financial responsibility for an owner or operator under this section."

CONTINUES RELEASED AT PERMITTED PACIFICAL

Sec. 206. Section 3004 of the Solid Waste Disposal Act is amended by adding the following new subsection after subsection (t) thereof: "(u) CONTINUING RELEASES AT PERMITTES FACILITIES.—Standards romulgated under this section shall require, and a permit issued after the date of enertheest of the Hazardous and Selid Wasse Amendments of 1984 by the Administrator or a State shall require, corrective action for all releases of hazardous waste or constituents from any solid waste management unit at a treatment, morage, or disposal facility seeking a permit under this subtitle, regardless of the time at which waste was placed in such time. Permits usued under section 2005 shall contain achedules of compliance for such corrective action (where such corrective action cannot be completed prior to insuance of the permits and assurances of flaancial responsibility for completing such corrective action."

CORRECTIVE ACTION SEYONS FACILITY SOUNBARIES UNDERGROUND TANTE

Sec. 20% Section 1004 is amended by adding the following after

VI Connective Actions Berone Faculty Soundary—As promptly as practicable after the date of the enactment of the Hazardous and Solid Waste Amendments of 1984, the Administrator shall amend the standards under this section required at facilities for the treatment, storage, or disposal, of hazardous waste listed or identified under section 3001 to require that corrective action be taken beyond the facility boundary where necessary to protest human health and the environment unless the owner or operator's best effects, the owner or operator was unable to obtain the accountry permission to undertake such action. Such regulations shall take effect immediately upon promulgation, activithetanding section 3010bl, and shall apply to—

"11) all facilities operating under permiss issued under subsection (c), and VI CORRECTIVE ACTIONS BEYOND FACILITY BOUNDARY -As

tion ich an

"12) all landfills, surface impoundments, and waste pile units (including any new units, replacements of existing units, or lateral expansions of existing units) which receive hamrdous waste after July 36, 1982.

Pending premulenties of such regulations, the Administrator shall issue corrective action orders for facilities referred to in paragraphs (1) and (2), on a case-by-case basis, consistent with the purposes of

"(w) Unremonstree Tares.—Not later than Marth 1, 1988, the Administrator shall promulgate final permitting standards under

this section for underground tanks that cannot be entered for inspection. Within forty-eight months after the date of the enactment of the Hazardous and Solid Waste Amendments of 1984, such reandards shall be modified if necessary, to cover at a minimum all requirements and standards described in section 9003."

PENANCIAL RESPONSIBILITY FOR CORRECTIVE ACTION

Sec. 208. Section 3004(a) of the Solid Waste Dispenal Act (as redesignated by section 201 of this Acti is amended by inserting "including financial responsibility for corrective action," immedistory after "and financial responsibility" in secretable 61.

MERTING WASTE AND OTHER SPECIAL WASTED

Sec. 209. Section 3004 of the Solid Waste Disposal Act is amended by adding the following new subsection after subsection (wx

(x) If (1) solid waste from the extraction, beneficiation or process ing of ores and minerals, including phosphate reck and everburies from the mining of uranium. (2) By ask waste, bottom ask waste, sing waste, and flue gas emission control waste generated primarily from the combustion of coal or other fessil fuels, or (3) coment talks dust waste, is subject to regulation under this subtitle, the Administrator is authorised to modify the requirements of subsections (c), (d), (e), (e), and (u) and section 3006(j), in the case of landfills or surface impoundments receiving such solid waste, to take into account the special characteristics of such wastes, the practical difficulties associated with implementation of such requirements. and site-specific characteristics, including but not limited to the climate, goology, hydrology and soil chemistry at the site, so long as such modified requirements assure presection of human health and the environment.

Subticle B--Amendments Primarily to Sertion 3005

AUTHORITY FOR PERMIT TO CONSTRUCT MARABOUS WASTE TREATMENT. FROMAGE, OR SUFFIGAL PACILITIES

Sec. 211. Section 2006 at the Solid Wase Descual Act. in

ded by
(1) excliding "a" immediately after "ewning or operating" in
he first contenes and inserting in lies thereof "an exusting
heility or planning to construct a new";

(2) inserting in the count contenes "and the construction of
any new facility for the treatment, storage, or disposal of any
such hazardous waste" immediately after "any such hazardous

such hazardous waste" immediately after "any such hazardous waste"; and

(3) adding the following at the end thereof: "No permit shall be required under this section in order to construct a facility if such incility is constructed pursuant to an approval issued by the Administrator under section dot of the Texis Substances Control Act for the incineration of polycholorizated hiphenyls and any person evaling or operating such a facility may, at any time after operation or construction of such facility has begun, file an application for a permit pursuant to this section authorizing such facility to incinerate hexardous waste identified or listed under this substile."

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> ing a temperary or permanent injunction. destrat in which the facility is because for appropriate ratioal lackad the beam of any information of the Administrators destruction of the form of the beam of the formation of the beam of the services of the tests of the carlings of the carling outperson of the tests of the formation of the beam of the formation of the format

> ig antisectue seffe necessatur was gaiwollot acts galbba yd bol See 234 in Section 2006 of the Solid Women Disposal Act in

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"honando garvad" suo galdiras 🐠 bol nor more than fifteen years, or buth A deductant that is an organi-tation shall, upon convertion of violating this subsection, be subject to a figs of ant more than \$1,000,000." knows at that time that he thereby places another person is mami-nent danger of death or serious bestly injury, shall upon conviction. So subject to a fine of not more than \$230,000 or impresentation

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er bebenene at the Solid Weste Disposal Art is emended to

ספנע עשם ששם ושפעושפענים Any years in the case of a violation of paragraph (1) or 2", or both. If the conviction is for a violation committed after a first conviction of such person this paragraph, the measurum punishment of such persons the massimum punishment to shall, upon conversion, be subject so fine of not more than \$20,000 for one has pecased two years or each day of violation, or unpresentant not also years or the pecase of the pecase o

פכבריישפעופק אל פי שפעונפטני by regulations promulgated under this subtitle of by a State in be the case of a State program authorized under this subtitle to be

transported enthout a manufeet, any hazardous waste requires an ar amuse ar ambiente e anachia amaterico, elbranea, ic.

programs ands ream subsities Administrator or by a State in the case of an authorized State purposes of compliance with regulations promulgated by the the enactment of this peragraph) and who knownedly destroyed altern, concrain, or fails to file any record, application, measions, report, or other decument required to be maintained or filed for such activity took place before or takes place after the date of of, experts, or otherwise handles any hazardous waste whether "(4) knowingly generates mores, mean manageria, disposes

promulgated by the Administrator for by a State up the case of authorized State programs under this subside; maintend exactment or representation in any application. label, maintent record, report, permits or other document filed, maintended, or used for purposes of compliance with regulations salal yng maam se nestamrelini larrasam atume ylgarweni (t):

H.R. 2567-35

"(2) Any order assess under this subsection may include a suspen-sion or reversion of authorization to operate under section 3005(e) of this subtitle, shall state with reasonable specificity the nature of the required corrective action or other response measure, and shall specify a time for compliance. If any person named in an order fails to comply with the order, the Administrator may assess, and such person shall be liable to the United States for, a civil penalty is an amount not to exceed \$25,000 for each day of accessioner with

thi Subsection (b) of section 3006 of the Solid Waste Disposal Act is amended by inserting "issued under this section" immediately after

Any order

EFFECTIVE BATE OF REGULATIONS

Set. 234. Section 3010'b) of the Solid Weste Dispesal Act is amended by adding the following at the end thereof: "At the time at regulation is promulgated, the Administrator may provide for a shorter regulation to the effective date, or an immediate effective

"(1) a regulation with which the Administrator finds the regulated community does not need six menths to come into

CLOG.

"21 a regulation which responds to an emergency situation: "(3) other good cause found and published with the regula-

SCHTTLE D-New Sections In Schtttle C

MANAGEMENT OF LIEB OIL

Sec 241 a Section 2014 of the Solid Waste Disposal Art relating to restrictions on recycled oil as redesignated by section 502 of this Act relating to technical and clorical amendments is amended by inserting "a" in General.—" after "3014." and by sading the

rollowing at the end thereof:

Warra.—Not leave than twelve mentine after the date of enactment of the Henerites and Solid Waste Amendments of 1964 the Administrator shall propose whether to list or identify used automobile and trush strackers oil as hazardous waste under section 3001. Not leave than twenty-four mentine after such date of enactment, the Administrator shall make a final determination whether in list. identify used automobile and truck crankense oil and other used oil as haspidous wages under section 3001.

"Ici Uses Ou. Wesce is Recrease.—1) With respect to generators and transporters of used oil identified or listed as a hazardous waste under section 3001, the standards promulgated under section 3001/dt. 3002, and 3003 of this subtitie shall not apply to such used

oil if such used oil is recycled.

"[21A] In the case of used oil which is exempt under paragraph (1), not later than twenty-four meaths after the date of enactment of the Hazardous and Solid Waste Amendments of 1984, the Administrator shall promulgate such standards under this subsection regarding the generation and transportation of used oil which is recycled as may be accessary to protect human health and the environment. In

"I) knowingly oracle material information or makes any false material statement of representation in any application, label, manifest, record, report, permit or other document flied, maintained or used for purposes of compliance with regulations promulgated by the Administrator for by a State is the case of an authorized State programs under this subtitle;

"(4) knowingly generates, stores, treats, transports, disposes of, exports, or otherwise handles any hazardous wasts (whether such activity took place before or takes place after the date of the enactment of this paragraph) and who knowingly destroys, siters, conceals, or fails to file any record, application, manufact. report or other document required to be maintained or filed for purposes of compliance with regulations premulgated by the Administrator or by a State in the case of an authorized State program under this subtitle:

15) knowingly transports without a manifest or causes to be transported enthout a manufest, any hazardous waste required by regulations promulgated under this subtitle or by a State in the case of a Scate program authorized under this subtitles to be

accumpanied by a manifest;

shall, used conviction, be subject to a fine of not more than \$30,000 for each day of violation, or impresonment not to exceed two years five years in the case of a violation of paragraph (1) or 2% or both. If the conviction is for a violation committed after a first conviction of such person under this paragraph, the maximum punishment under the respective paragraph shall be doubled with respect to both fine and imprisonment.

ibi Section 300ber of the Solid Waste Disposal Act is amended to

read as follows

er Knowing Engangement.-Any person who knowingly transports, treats, stores, deposes of, or exports any hazardous waste sentified or listed under this subtitle in violation of paragraph 10, 20, 31, 144, 15, or 16 of subsection (d) of this section who knows at that time that he thereby places another person in imminent danger of death or serious bedily injury, shall, upon conviction, no subject to a fine of not more than \$250,000 or impresonment for not more than fifteen years, or both. A defendant that is an organitation shall, upon conviction of violating this subsection, be subject to a fine of not more than \$1,000,000."

(et Seption 2000(\$127A) of the Salla Wasse Plannel A.

ied by striking out "having obtained".

DITERIM STATUS CORRECTIVE ACTION GROUPS

Ser. 235. (a) Section 3006 of the Salid Waste Disposal Act is d by adding the following new subsection after subsection (g)

"The Interne Status Connective Action Order -11 Whosever The larrance Status Connective Action Onems.—11 Whosever on the base of any information the Administrator determines that there is or has been a release of hazardous waste into the environment from a facility authorized to operate under section 1006er of this subtitle, the Administrator may issue an order requiring corrective action or such other response measure as he dooms necessary to present human health or the coverenment or the Administrator may commence a civil action in the United States district court in the district in which the facility is lessted for appropriate relief, including a temperature or members in marries. INC & tomporary or pormances injunction.

Monsanto Chemical Company

FROM: M. R. Foresman - G4WT (4-3283)

DATE: November 10,1985

cc: F. E. Kearney - Gawi

· SUB : WGK Remedial Actions - EPA Meetings

REF :

TO : M. A. Pierle - GAWT

Detailed below is a summary of the meetings hold with the III, and Federal ITA (Region V) on November 3rd and 4th to discuss the WGK groundwater study and proposed remedial actions. The individuals which represented Monsanto at both meetings included Jack Molloy, Warren Smull, Dick Biggerstaff, and Nick ·Valkenburg and Dave Miller of Geraghty & Miller.

Ill. EPA: 10-12 people from the agency including the Director and Assistant Director of the Solid Waste Section - Bill Child and Jim Frank.

<u>Items Discussed:</u> General groundwater Study , Route 3 remedial action -alternative, Sauget Association remedial actions (pit, ponds, lagoons), Water quality main landfill, net loadings of organics on the river.

Groundwater Study - total site water quality, no impact discussion.

Route 3

Sauget Association

Main Landfill

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Material Provided: Three volume groundwater study and Route 3 drum site investigation report.

Response Requested

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Federal EPA Region V: 10 - 12 people including the Deputy Director of the Water Divisions. Ken Fenner and several engineers from the Superfund and RCRA sections.

Items Discussed: Same information as with the Ill. EPA.

Material Provided: Three volume site groundwater report only.

Response Requested: None.

A complete list of the meeting attendies will be forwarded as it becomes avaivable. If you have any questions, please advise.

· wgx1118

M. R. Foresman

T. H. Lafferre

FYI re WGK cleanups. A meeting with RGP is set for 12/18/86.

M.A.P./pam 11/14/86

November 17, 1986

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SAUGET SITE STUDIES

SEPTEMBER .

TO

M.	R.	Foresman	G4WT
В.	J.	Gilhousen	B3SH
٧.	T.	Matteucci	G5NR
J.	W.	Molloy	1740

On November 13, I talked with Jim Fatterson, consultant for the Marmon Group who will visit us with the rest of their team on November 26. In addition, a Mr. Dan Edleman of a public relations fire spoke with Mr. Harbison the week of November 3 on the same subject.

Based on a conversation with Jim Patterson, he is concerned that without some action on industry's part in Sauget Village, the Illinois EPA will pursue to again collect information and, ultimately, list the area on the Federal Superfund National Priorities List. The Marmon Group has considerable experience with other Superfund sites and is not anxious for this area to reach that status. While they do not have any clear ideas to slow down the Illinois EPA activity, they are interested in joint discussions with us on this subject. Basically, they would like to explore with us other approaches which may be available to everyone in the Village to retain local control of this issue and keep it out of the Superfund system.

He feels that the Illinois EPA has already counitted in their mind to justify listing this site and believes that any approaches to avoid this fate will require intervention at higher political levels. Given the current economic plight in the area and the adverse economic impact of some of the smaller companies being forced to major cleamup activities, he believes there is some possibility of getting a reason brought into the debate. Clearly, he recognises that the local Searle people are behind in this area and they are trying to play catchup.

It should be an interesting meeting on Movember 26.

M. A. Pierle

(Typed and sent during Mr. Pierle's absence.)

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